

What is claimed is:

1. A method of manufacturing a low pressure injection type RIM mold, comprising:
a first step of machining a material that are easy to be subjected to NC machining,
5 so that a skin material with a base for a product can be prepared using skin data on the product;
a second step of preparing an outer frame around the machined skin material and pouring epoxy onto the machined skin material to prepare a lower mold;
a third step of releasing and inverting the lower mold after the epoxy has been
10 completely cured, and performing NC machining on the released portion of the lower mold;
a forth step of preparing a thickness-defining portion on the inverted lower mold using wax or resin by means of machining for the thickness of the product, bosses and a rim;
15 a fifth step of preparing an upper mold by pouring epoxy onto the machined surface; and
a sixth step of removing the thickness-forming portion.
2. The method as claimed in claim 1, wherein the skin material prepared in the first
20 step is made of Styrofoam material.
3. The method as claimed in claim 1, wherein in the second step, the lower mold is prepared by pouring the epoxy such that the skin material is immersed in the epoxy and the surface of the epoxy is in a horizontal state.
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4. The method as claimed in claim 1, wherein in the fifth step, the upper mold is prepared by pouring the epoxy such that the thickness-forming portion is immersed in the epoxy and the surface of the epoxy is in a horizontal state.
- 30 5. A product formed using a mold manufactured by means of a method according to

any one of claims 1 to 3.